SNAP’n SAFE™ Breakaway Devices

Save Lives… Prevent Injuries

Who… Federal Highway Administration (FHWA)

What… Requires breakaway devices for sign supports.

Where… All public roads.

Why… Injuries & fatalities occur because vehicles impact sign posts.

Solution… SNAP’n SAFE Breakaway Devices. Reduce the risk of occupant injury with SNAP’n SAFE Breakaway Devices! They are FHWA approved, NCHRP Report 350 compliant and available for all types of small sign supports.

DESIGNOVATIONS, INC.
7339 WILDWOOD ROAD • STILLMAN VALLEY, IL 61084
SNAP’n SAFE™

Save Money with Breakaway Devices for Sign Posts

• Repair sign posts in half the time with one person
• Use existing sign posts and anchor posts
• No special tools needed
• Less work crew exposure to traffic
• No concrete boring with surface mounts

Don’t let this happen!

No Breakaway Device = High risk of occupant injury. At impact, the sign post can be forced into the windshield and roof of the vehicle.

After impact with no breakaway device, the anchor must be replaced. This translates into more time and expense.

When SNAP’n SAFE™ Breakaway Devices are used, the sign post breaks away and the risk of occupant injury is reduced.

With the SNAP’n SAFE™ Breakaway Device there is little risk of occupant injury. At vehicle impact the sign post breaks away and does not strike the vehicle’s windshield or roof. Testing performed at Texas A&M and University of Nebraska.

After impact with the SNAP’n SAFE™ Breakaway Device, the anchor retains the coupler plug which can be easily removed. In addition, the anchor may be reused, saving time and money.

NCHRP Report 350 Compliant

Designovations now offers new technology with the SNAP’n SAFE™ Breakaway Device. Using a vehicle specified in the existing Report 350, this new technology meets and exceeds the more stringent damage levels contained in the updated NCHRP Report 350 specifications for ground mounted sign supports.

Designovations, Inc.
7339 Wildwood Road • Stillman Valley, IL 61084
PHONE: 888-868-6588 • FAX: 815-645-2389
EMAIL: sales@designovations.com • www.designovations.com
**SNAP’n SAFE™**

**Breakaway Device for Square Sign Posts**

**PATENTED**

**360° Shear Point**

Made of cast gray iron, withstands winds of 120 mph.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wt.</th>
<th>Sign Post Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S175</td>
<td>2.0 lbs.</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>S200</td>
<td>3.1 lbs.</td>
<td>2&quot;</td>
</tr>
<tr>
<td>S225</td>
<td>5.0 lbs.</td>
<td>2-1/4&quot;</td>
</tr>
<tr>
<td>S250</td>
<td>6.0 lbs.</td>
<td>2-1/2&quot;</td>
</tr>
</tbody>
</table>

**EASY INSTALLATION:**

(Hardware Included)

Simply insert SNAP’n SAFE Device in anchor post and bottom of sign post and assemble with (4) corner bolts.

**SQUARE SURFACE MOUNT**

**PATENTED**

**360° Shear Point**

Made of cast gray iron, no concrete boring.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wt.</th>
<th>Sign Post Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S175S</td>
<td>8 lbs.</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>S200S</td>
<td>9 lbs.</td>
<td>2&quot;</td>
</tr>
<tr>
<td>S225S</td>
<td>9.5 lbs.</td>
<td>2-1/4&quot;</td>
</tr>
<tr>
<td>S250S</td>
<td>10 lbs.</td>
<td>2-1/2&quot;</td>
</tr>
</tbody>
</table>

**EASY INSTALLATION:**

(Hardware Included)

Simply drill (3) holes in concrete using the base as guide. Secure Device to concrete with (3) bolts. Insert sign post and tighten set screw.

---

**SNAP’n SAFE™**

**Breakaway Device for Round Posts**

**PATENTED**

**360° Shear Point**

Made of cast gray iron, withstands winds of 120 mph.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wt.</th>
<th>Sign Post Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S238R</td>
<td>4.6 lbs.</td>
<td>3 thru 16 Ga. Wall</td>
</tr>
<tr>
<td>S238R8</td>
<td>5.4 lbs.</td>
<td>8 thru 12 Ga. Wall</td>
</tr>
<tr>
<td>S300R</td>
<td>8.0 lbs.</td>
<td>3&quot; O.D. Post</td>
</tr>
</tbody>
</table>

**EASY INSTALLATION:**

(Hardware Included)

Simply insert SNAP’n SAFE Device in anchor post and bottom of sign post and tighten set screw.

**ROUND SURFACE MOUNT**

**PATENTED**

**360° Shear Point**

Made of cast gray iron, no concrete boring.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wt.</th>
<th>Sign Post Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S238R</td>
<td>12 lbs.</td>
<td>8 thru 16 Ga. Wall</td>
</tr>
</tbody>
</table>

**EASY INSTALLATION:**

(Hardware Included)

Simply drill (4) holes. Insert sign post with (4) bolts.

---

**SNAP’n SAFE™**

**Breakaway Device for U Channel Sign Posts**

**PATENTED**

**360° Shear Point**

Made of cast gray iron, withstands winds of 120 mph.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wt.</th>
<th>Sign Post Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S300U</td>
<td>4.0 lbs.</td>
<td>24, 38, 4&quot;</td>
</tr>
</tbody>
</table>

**EASY INSTALLATION:**

(Hardware Included)

Simply attach SNAP’n SAFE Device to anchor post and bottom of sign post with (4) bolts.

**U-CHANNEL SURFACE MOUNT**

**PATENTED**

**360° Shear Point**

Made of cast gray iron, no concrete boring.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Wt.</th>
<th>Sign Post Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU800S</td>
<td>10 lbs.</td>
<td>24, 38, 4&quot;</td>
</tr>
</tbody>
</table>

**EASY INSTALLATION:**

(Hardware Included)

Simply drill (4) holes. Insert sign post with (4) bolts.

---

Save Lives
Prevent Injuries

**DESIGNOVATIONS, INC.**

7339 WILDWOOD ROAD
STILLMAN VALLEY, IL 61084

PHONE: 888-868-6584
FAX: 815-645-2389

EMAIL: sales@designovations.com
www.designovations.com

PROUDLY MADE IN THE USA
Our Goal... *Safe Roads & Saving You Time and Money*

The Manual on Uniform Traffic Control Devices (MUTCD section 2A-19) which is the national standard used for all roads open to public travel, states that roadside sign supports in the clear zone SHALL be breakaway, yielding or shielded. This requirement - effective January 1, 2013 - applies to all roads, whether publicly or privately owned.

**Vehicles involved in single vehicle crashes where the most harmful event was vehicle striking sign post by year and crash severity.**

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Fatal</th>
<th>Injury</th>
<th>Property Damage Only</th>
<th>All Crashes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>108</td>
<td>49,950</td>
<td>137,392</td>
<td>187,451</td>
</tr>
<tr>
<td>2010</td>
<td>89</td>
<td>45,343</td>
<td>114,447</td>
<td>159,879</td>
</tr>
<tr>
<td>2011</td>
<td>123</td>
<td>44,991</td>
<td>112,023</td>
<td>157,138</td>
</tr>
<tr>
<td>2012</td>
<td>86</td>
<td>46,063</td>
<td>128,358</td>
<td>174,507</td>
</tr>
<tr>
<td>2013</td>
<td>112</td>
<td>47,981</td>
<td>136,982</td>
<td>185,076</td>
</tr>
<tr>
<td>Total</td>
<td>518</td>
<td>234,329</td>
<td>629,203</td>
<td>864,050</td>
</tr>
</tbody>
</table>

Fatality analysis reporting system (FARS) 2009-2012 final and 2013 ARF General Estimates System (GES) 2009-2013. Note: the injury and property damage numbers are not actual counts, but estimates of the actual counts. The estimates are calculated from data obtained from a nationally representative sample of crashes collected through NHTSA's General Estimates System (GES). Estimates should be rounded to the nearest 1,000. Estimates less than 500 indicate that the sample size was too small to produce a meaningful estimate and should be rounded to 0.

**TUFF’n Lite3 Composite Sign Posts**

*Eliminate heavy rusting steel posts forever!*

*Can be used in many applications...*

- Road and Highway Signs*
- Transit Signage
- Informational Signage
- Architectural Signage
- Industrial Signage
- Parking Lot Signage
- Subdivision Signage

*Must be used with SNAP’n SAFE™ Breakaway Couplers*

**Product Benefits...**

- **Lightweight** - weighs less than steel posts, which reduces freight & handling costs.
- **Quick Installation** - compatible with current 2” ground sockets for easy installation and replacement.
- **Maintenance Free** - corrosion free, no painting required.
- **Color and Size Choice** - stock colors include green, white, yellow & standard lengths of 6Ft, 7Ft, or 8Ft. (custom colors available with minimum run of 5,000 Ft).
- **User Friendly** - easy to cut and drill holes.
- **Non-Conductive** - will not conduct electricity or interfere with radar.
- **Shipping** - UPS, FedEx and LTL options.